

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,116,441 B1
APPLICATION NO. : 09/467984
DATED : October 3, 2006
INVENTOR(S) : Hirochika Matsuoka

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Title Page

[54] TITLE

Title: "SIGNAL PROCESSING APPARATUS IMAGE PROCESSING APPARATUS AND THEIR METHODS" should read
--SIGNAL PROCESSING APPARATUS, IMAGE PROCESSING APPARATUS AND THEIR METHODS--.

SHEET 26

Figure 28, "RANG" (both occurrences) should read --RANGE--.

COLUMN 1

Line 1, "APPARATUS" should read --APPARATUS,--.
Line 16, "A computer" should read --In a computer--.

COLUMN 2

Line 5, "situation," should read --situations,--.

COLUMN 9

Line 35, "tot he" should read --to the--.

COLUMN 22

Line 14, " $f()$ =1" should read -- $f(0)$ =1--.

COLUMN 23

Line 4, "very" should read --much--.
Line 63, "tion. Upper-limit" should read --tion. ¶ Upper-limit--.

COLUMN 24

Line 40, "Bsup" should read -- B_{sup} --.
Line 43, "Bsup." should read -- B_{sup} ---.
Line 46, "Bsup," should read -- B_{sup} ,--; and
"represent" should read --represents--.
Line 48, "Bsup," should read -- B_{sup} ---.

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COLUMN 31

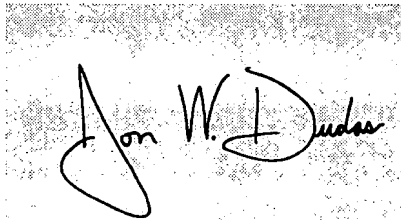
Line 50, "explained the" should read --explained in the--.

COLUMN 34

Line 7, "inputting" should read --an inputting--
Line 31, "mapping" should read --a mapping--.

Signed and Sealed this

Tenth Day of April, 2007

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a halftone dot pattern.

JON W. DUDAS
Director of the United States Patent and Trademark Office